

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER RW 1C1-21A			
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT RED WASH			
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME RED WASH			
6. NAME OF OPERATOR QEP ENERGY COMPANY						7. OPERATOR PHONE 303 595-5919			
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, Ut, 84078						9. OPERATOR E-MAIL julie.jacobson@qepres.com			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU0559			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	226 FNL 1393 FEL	NWNE	21	7.0 S	22.0 E	S
Top of Uppermost Producing Zone	1515 FNL 1014 FEL	SENE	21	7.0 S	22.0 E	S
At Total Depth	1515 FNL 1014 FEL	SENE	21	7.0 S	22.0 E	S

21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1515		23. NUMBER OF ACRES IN DRILLING UNIT 2080	
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 729		26. PROPOSED DEPTH MD: 12197 TVD: 12062	
27. ELEVATION - GROUND LEVEL 5132		28. BOND NUMBER ESB000024		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-251/49-2153	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Prod	6.75	4.5	0 - 12197	11.6	HCP-110 LT&C	11.5	Halliburton Light , Type Unknown	738	2.27	12.0
							Halliburton Premium , Type Unknown	440	1.46	13.5
Surf	9.875	7.625	0 - 3932	26.4	J-55 LT&C	8.5	Halliburton Light , Type Unknown	665	2.35	12.0
							Halliburton Premium , Type Unknown	195	1.16	15.8

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Laura Abrams	TITLE Sr. Regulatory Affairs Analyst	PHONE 303 260-6745
SIGNATURE	DATE 06/23/2015	EMAIL laura.abrams@qepres.com
API NUMBER ASSIGNED 43047554030000	APPROVAL   Permit Manager	

*T7S, R22E, S.L.B.&M.*

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- ED WELLHEAD.  
BOTTOM HOLE.  
CORNERS  
CORNERS  
BLISHED.  
on Ground.)
- 1941 Brass Cap,  
0.7' High, Pile  
of Stones
- 1941 Brass Cap,  
1.5' High, Pile  
of Stones
- RW #01C1-21A**  
Elev. Ungraded  
Ground = 5132.2'
- 226'
- S89°55'34"W  
2645.03' (Meas.)
- 1393'
- 1515'
- 1014'
- Target  
Bottom Hole
- N00°04'33"W - 5279.87' (Meas.)
- 21
- N00°06'17"W - 2640.32' (Meas.)
- 1941 Brass Cap,  
0.4' High, Pile  
of Stones
- N00°04'54"W - 2640.50' (Meas.)
- 1941 Brass Cap,  
0.5' High, Mound  
of Stones
- S89°57'57"W - 2647.37' (Meas.)
- Brass Cap,  
Pile of Stones
- S89°57'21"W - 2647.14' (Meas.)
- 1941 Brass Cap,  
0.7' High, Pile  
of Stones
- | LINE TABLE |             |          |
|------------|-------------|----------|
| LINE       | DIRECTION   | LENGTH   |
| L1         | S16°29'12"E | 1344.01' |



<b>NAD 83 (TARGET BOTTOM HOLE)</b>	<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°12'00.22" (40.200061)	LATITUDE = 40°12'12.95" (40.203597)
LONGITUDE = 109°26'20.98" (109.439161)	LONGITUDE = 109°26'25.88" (109.440522)
<b>NAD 27 (TARGET BOTTOM HOLE)</b>	<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°12'00.35" (40.200097)	LATITUDE = 40°12'13.08" (40.203633)
LONGITUDE = 109°26'18.51" (109.438475)	LONGITUDE = 109°26'23.41" (109.439836)
<b>STATE PLANE NAD 83</b>	<b>STATE PLANE NAD 83</b>
N: 7248229.02 E: 2216001.50	N: 7249508.48 E: 2215591.39

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**ROBERT L**

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH  
12-29-14

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UNTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



**Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017**



**QEP ENERGY COMPANY**

**RW #01C1-21A**  
**NW 1/4 NE 1/4, SECTION 21, T7S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

SURVEYED BY: B.H., T.M.	SURVEY DATE: 06-04-14
DRAWN BY: J.J.	DATE DRAWN: 06-23-14
SCALE: 1" = 1000'	REVISED: 12-16-14

## WELL LOCATION PLAT